

IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended)      A residential gateway system comprising:

    means for receiving broadcast video signals from a variety of sources;

    means for displaying video signals;

    a residential gateway coupled to said receiving means for selectively displaying video signals on said display means;

    a handheld controller having a display screen, said handheld controller being coupled to said residential gateway via a network channel for communicating with and controlling said residential gateway,

wherein said residential gateway comprises:

    means for storing attributes of said handheld controller and of said network channel; and

    transcoding means for transcoding video signals, in response to said stored attributes, for transmission on said network channel to said handheld controller, said transcoded video signals being capable of being handled by said network channel, and of being displayed on the display screen of said handheld controller without further processing in said handheld controller,

wherein said attributes of said network channel and said handheld controller comprise the bandwidth capabilities of the network channel and the display screen, including the resolution

and refresh rate of the display screen, screen size, processing power, and battery life, and the transcoding means transcodes the video signals to conform with at least the bandwidth of the display screen;

wherein residential gateway system further comprises means for storing video signals and for playing back stored video signals, and said transcoding means transcodes the stored video signals by performing a video content analysis;

wherein said video content analysis comprises, alternatively, providing a series of still images and a text summarization of the stored video signals, and providing a series of relevant video clips and audio clips;

and wherein said handheld controller further comprises a memory having stored therein profile information concerning a plurality of users of said handheld controller, said profile information including guidelines of which transcoding process is desired by the selected user.

2-4. (Cancelled).

5. (Currently Amended) The residential gateway system as claimed in claim 3, wherein said residential gateway system further comprises means for receiving news, weather, traffic and other live information, and said ~~transcending~~ transcoding means ~~is capable of transcoding~~ transcodes said live information in the form of a text streamer for transmission to said handheld controller.

6. (Cancelled).

7. (Original) The residential gateway system as claimed in claim 5, wherein said handheld controller further comprises a memory for storing profile information concerning a plurality of users of said handheld controller, said profile information including guidelines of which transcoding process is desired by the selected user, and wherein said residential gateway comprises means for autonomously providing said transcoded text streamer to said handheld controller based on a priority setting in said user profile.

8. (Currently Amended) The residential gateway system as claimed in claim ~~6~~1, wherein said profile information includes user priorities for topics, time of day, location, available time for watching previews and full-length videos, said residential gateway system using the attributes of the network channel and the handheld controller, as well as attributes of the video signals, in a weighting scheme along with said user priorities for determining the transcoding process to be performed by the transcoding means, wherein said user priorities are highest weighted.

9. (Currently Amended) The residential gateway system as claimed in claim ~~3~~1, wherein the residential gateway system provides audio-visual summaries of the video signals stored on the

video signal storing and playback means, said audio-visual summaries including images representing scenes in the video signals.

10. (Currently Amended) The residential gateway system as claimed in claim ~~3~~1, wherein the residential gateway system provides a table of contents for each of the programs represented by video signals stored by the video signal recording and playback means, said transcoding means transcoding said table of contents for said handheld controller, said handheld controller displaying said table of contents, and said handheld controller having means for selectively deleting selected portions of a selected one of the programs thereby forming an edited program, said edited program being subsequently displayed on said displaying means.

11. (Original) The residential gateway system as claimed in claim 10, wherein said table of contents is stored with the video signals of each of the programs.

12. (Original) The residential gateway system as claimed in claim 10, wherein said table of contents is obtained from the Internet by the residential gateway system.

13. (Currently Amended) The residential gateway system as claimed in claim 10, wherein said handheld controller comprises lock-out means for locking out selected programs or portions of

programs from being viewed on the displaying means or on the handheld controller.